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MISCELLANEOUS.

121. Proposed by F. P. MATZ, Sc. D., Ph. D., Professor of Mathematics and Astronomy in Defiance College, Defiance, O.

How can we determine the elements of a cyclone from observations made at three different points?

122. Proposed by F. P. MATZ, Sc. D., Ph. D., Professor of Mathematics and Astronomy in Defiance College, Defiance, Ohio.

How should a Division of Space be made in order that the *Partional Area* may be a Minimum?

123. Proposed by F. P. MATZ, Sc. D., Ph. D., Professor of Mathematics and Astronomy in Defiance College, Defiance, O.

If a *curve* of the third degree can not be made to pass through more than six arbitrarily chosen points, why can a *surface* of the third degree be made to pass through nineteen such points?

NOTES.

THE MONTHLY is mailed on the 28th of each month and should reach its subscribers soon after that time.

The notice of the new Postal ruling which appeared in our last issue was somewhat premature. We had received a number of notices to that effect, but none of them were official.

This number of THE MONTHLY is sent to all of our old subscribers who have not yet renewed their subscriptions as well as to those who have renewed. Any one who does not wish to continue his subscription will please return this number with his name plainly written on the wrapper.

Owing to the demands on his time in the preparation of other mathematical text-books, of which the Colaw and Ellwood Arithmetics form a part, Professor Colaw's connection with THE MONTHLY will be temporarily severed. In view of this fact all contributions should be sent to B. F. Finkel until further notice is given.

We desire to thank all of our subscribers and contributors for the many kind words that have come to us to encourage us in our work. We also desire to thank all of our subscribers who so promptly responded to our notices for renewals. To renew promptly is one of the easy ways in which every one can very materially assist us in carrying on the good work of THE MONTHLY, for it should be remembered that our financial problem is one which gives us much anxiety.